

# Notice of Allowability

Application No.

09/737,927

Examiner

LeChi Truong

Applicant(s)

PENG, LUOSHENG

Art Unit

2194

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 01/18/2005.
2. ☒ The allowed claim(s) is/are 1, 3-17, 21, 25, 27, 29-43, 47, 51 now renumbered as claims 1-36.
3. ☒ The drawings filed on 12/5/02 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**


7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |  |   |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                    | 6 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. _____. |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____  | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance            |
|  | 9 <input type="checkbox"/> Other  |

  
MENG-AL T. AN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

**Examiner's Amendment**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mrs. Roxana H. Yang (Registration number: 46,788) on 4/5/2005.

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3. Amend the following claims:

(I) Claim 1:

A computerized method for intelligently providing application and data in a mobile device system, comprising the steps of:

collecting user operation history from at least one user; generating user and application registration information;

generating a list of frequently accessed information based on said user operation history;

selectively caching information at a mobile device and a gateway based on said list of frequently accessed information, said information including application or data;

updating said information at said mobile device and said gateway;

and

synchronizing said user operation history and said user and  
application registration information among a plurality of gateways  
wherein said selectively caching includes the steps of:  
caching a first set of frequently accessed information of each user  
at a respective mobile device; and  
caching a second set of frequently accessed information at said  
gateway.

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(II) Cancel claims 2, 18-20

(III) Claim 21:

A computerized method for processing requests at a gateway, comprising the  
steps of:

parsing a request, said request including user operation history;  
building a first intelligent strategy based on said parsing, said first intelligent  
strategy including at least one database access request;  
accessing a gateway database based on said first intelligent strategy;  
constructing a response based on said accessing; and  
sending said response to said mobile device;  
wherein said step of accessing a gateway database includes the steps of:  
determining whether a requested application or data is located in said gateway;  
and

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determining whether said requested application or data is current;  
sending said request to a server if said requested application or data is not located  
in said gateway or said requested application or data is not current;  
receiving a server response from said server;  
building a second intelligent strategy based on said server response; and  
caching or updating said requested application or data in said gateway in  
accordance with said second intelligent strategy;

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wherein said step of sending said request to a server includes the steps of:

opening a logical session;

opening or reusing a physical session for connection to said server; and

sending said request to said server via said logical and physical sessions.

(IV) cancel claims 22-24

(V) Claim 25:

The method of claim 21, further comprising the steps of: parsing said server  
response; and sending an acknowledgment to said server if said server response includes any  
broadcast message.

(VI) Cancel claim 26

(VII) Claim 27:

A computer program product for intelligently providing application and data in a  
mobile device system, comprising:

logic code for collecting user operation history from at least one user;

logic code for generating user and application registration information;

logic code for generating a list of frequently accessed information based on said user operation history;

logic code for selectively caching information at a mobile device and a gateway based on said list of frequently accessed information, said information including application or data;

logic code for updating said information at said mobile device and said gateway;  
and

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logic code for synchronizing said user operation history and said user and application registration information among a plurality of gateways;

wherein said logic code for selectively caching includes the step of :

logic code for caching a first set of frequently accessed information of each user at a respective mobile device; and

logic code for caching a second set of frequently accessed information at said gateway.

(VIII) Cancel claims 28, 44-46

(IX) Claim 47:

A computer executable program product for processing requests at a gateway, comprising:

logic code for parsing a request, said request including user operation history;

logic code for building a first intelligent strategy based on said parsing, said first intelligent strategy including at least one database access request;

logic code for accessing a gateway database based on said first intelligent strategy;

logic code for constructing a response based on said accessing; and

logic code for sending said response to a mobile device;

wherein said logic code for accessing a gateway database includes:

logic code for determining whether a requested application or data is located in said gateway; and

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logic code for determining whether said requested application or data is current;

logic code for sending said request to a server if said requested application or data is not located in said gateway or said requested application or data is not current;

logic code for receiving a server response from said server;

logic code for building a second intelligent strategy based on said server response;

and

logic code for caching or updating said requested application or data in said gateway in accordance with said second intelligent strategy;

wherein said logic code for sending said request to a server includes:

logic code for opening a logical session;

logic code for opening or reusing a physical session for connection to said server;

and

logic code for sending said request to said server via said logical and physical sessions.

(X) cancel claims 48-50

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(XI) Claim 51.

The computer program product of claim 47, further comprising: logic code for parsing said server response; and

logic code for sending an acknowledgment to said server if said server response includes any broadcast message.

(XII) Cancel claim 52

### *Conclusion*

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (571) 272 3767. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

  
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